

Calendar

Tuesday, July 27

Noon Summer Lecture Series - 1 West

Speaker: H. White, Fermilab

Title: Symmetries in Physics

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

THERE WILL BE NO ACCELERATOR PHYSICS AND TECHNOLOGY SEMINAR TODAY

Wednesday, July 28

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-Over

4:00 p.m. Fermilab Colloquium - 1 West

Speaker: M. Shochet, University of Chicago

Title: The Top Quark: Past, Present, and Future

Wilson Hall Cafe

Tuesday, July 27

Golden Broccoli & Cheese soup

Hickory Smoked BBQ Pork \$4.75

Japanese Breaded Pork Cutlet \$3.75

Hawaiian Marinated Chicken w/ Grilled Pineapple \$3.75

Toasted Almond Chicken Salad \$4.75

Supreme Baked Pizza \$2.75

Chicken Fajita Tacos \$4.75

[Wilson Hall Cafe Menu](#)

[Chez Leon](#)

Weather

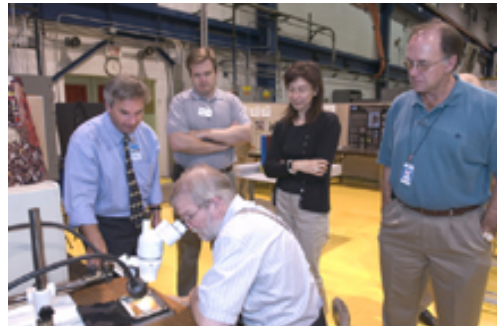


Partly Cloudy 78°/56°

[Extended Forecast](#)

[Weather at Fermilab](#)

Three Congressional Staffers Visit Fermilab



John Womersley (far left) and Anna Goussiou (middle) gave staffers Dixon Butler (sitting), Peder Maarbjerg (left) and Kevin Cook (right) a tour of the DZero experiment yesterday. (Click on image for larger version.)

Kevin Cook, Dixon Butler and Peder Maarbjerg, three congressional staffers from the Appropriations Committee's Subcommittee on Energy & Water Development, had a whirlwind tour of Fermilab yesterday afternoon. Stops along the tour included the Main Control Room, DZero, LHC Magnet Factory and a trip down the NuMI tunnel.

The House Committee on Appropriations, or Appropriations Committee, is in charge of setting the specific expenditures of money by the government of the United States. As such, it is one of the most powerful of the congressional committees. Rep. C.W. Young (R-Florida) currently serves as the Appropriations Committee's chair.

The Appropriations Committee's Subcommittee on Energy and Water Development has jurisdiction over

Director's Corner

Good Morning!

Almost one year ago, I wrote in this space about preparations for the annual shutdown:

"Many are leaving their regular assignments and rearranging their personal schedules,



Mike Witherell

taking up new duties and joining new teams wherever they are needed, in order to devote their time, talent and energy to this shutdown, whose success will be so critical to Run II and to Fermilab."

The work done in that shutdown laid the foundation for the terrific year we have had with the accelerators. The reviewers at the DOE accelerator review in February said, "Successful shutdown -- accomplished goals. The Tevatron complex has never performed better."

As much improvement as we had this year, we need to get more from the accelerators next year. This year's shutdown starts on August 23. The jobs accomplished during that shutdown will largely determine how far we get next year on luminosity for CDF and DZero and on proton intensity for MiniBooNE and NuMI.

Once again, we are counting on those of you who will take part in the

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funding for most of the Department of Energy, including the Office of Science. Virtually all of Fermilab's funding is routed through the Energy and Water Subcommittee, currently chaired by Rep. David L. Hobson (R-Ohio).

For all three staffers, it was their first visit to Fermilab, and they had many questions about Tevatron operations, Fermilab's proposed BTeV experiment and the laboratory's contributions to the Large Hadron Collider at CERN. They expressed enthusiasm for astrophysics at Fermilab, especially the Sloan Digital Sky Survey.

"Fermilab did a great thing by getting the Sky Survey started," Cook told Director Mike Witherell.

QuarkNet Teachers and High School Students Collaborate at Fermilab



QuarkNet teachers and high school students met a workshop at Fermilab last week to think of new ways to incorporate modern physics into the classroom. (Click on image for larger version.)

shutdown effort. For the laboratory to reach its ambitious goals, we need your help.

Accelerator Update

July 23 - July 26

- During this 72 hour period Operations established two stores that provide the experiments with approximately 48 hours and 6 minutes of luminosity.
- MiniBooNE suffered from many horn trips
- Store 3671 raised from an initial luminosity of 28.9E30 to 62.2E30 by adjusting separator voltage and collimators
- Booster RF station #1 tripped off many times

[View the current accelerator update](#)

[View the Tevatron Luminosity Charts](#)

Announcements

Budker Seminar Tonight

There will be a Budker Seminar tonight in the Users' Center Music Room. Bob Zwaska will present, "Booster Cogging: Synchronization with the Main Injector for NuMI & Slip-Stacking." Pizza, beer and soft drinks will be served at 6:00 p.m.

Fermilab Tech Pubs New System

Yesterday, Fermilab Tech Pubs unveiled its new system for requesting preprint numbers and uploading documents. Please send any comments or questions to techpubs@fnal.gov

FNPRT Site Wide Printserver

Downtime

FNPRT the site wide printserver will be

Last week a group of high school teachers from the Chicago area spent two days at Fermilab, brainstorming ways to include physics in the classroom. Four local high school students, who are working at Fermilab this summer, also sat in on the workshop to act essentially as guinea pigs for the teachers. "These students just blow me away with how much they know about physics," said DZero's Don Lincoln, who is the QuarkNet mentor for Fermilab. "I strongly support physicists working with teachers to help find new ways to integrate modern physics into the classroom."

In the News

FYI: AIP Bulletin of Science Policy News, July 26, 2004

'Abraham and Domenici on Los Alamos Investigation

The early July disappearance from Los Alamos National Laboratory (LANL) of two computer disks containing classified material has resulted in a Department of Energy investigation into the matter. It has also led Energy Secretary Spencer Abraham to call for a "stand-down of operations" at "all Department of Energy operations using such controlled removable electronic media (CREM) as classified hard drives or computer discs," until new procedures for improving security can be developed and implemented.

[read more](#)

unavailable on Thursday, July 29, 2004 from 6:30-7:30 a.m. due to a software upgrade.